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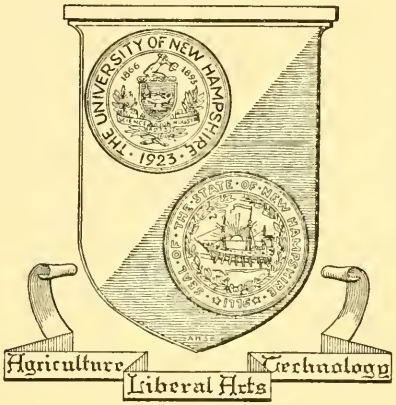

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Bulletin 299 July, 1937

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION
DEPARTMENT OF AGRONOMY

Results of Seed Tests for 1937

MADE FOR THE
STATE DEPARTMENT OF AGRICULTURE

By BESSIE G. SANBORN

THE UNIVERSITY OF NEW HAMPSHIRE
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RESULTS OF SEED TESTS

Made July 1, 1936 to June 30, 1937

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This report contains the results of the inspection for the State Department of Agriculture of four hundred and thirty-nine official samples collected throughout the State during the period from July 1, 1936, to June 30, 1937. Each of these samples was analyzed and the results mailed to the retail dealers concerned. In addition to these official samples, sixty-four private samples were analyzed, making a total of five hundred and three samples inspected.*

The seed law does not prohibit the sale of poor seed but it does require that all seed be labelled to show its quality. The buyer is protected by observing the guarantee. The purpose of seed inspection work is to determine, within reasonable limits, whether a sample of seed is as good as it is guaranteed to be. Samples found "below" must be remarked or removed from sale.

The attention of seed purchasers should be called to the fact that the germination figure is based on the pure seed present, and is a statement of the actual number of seeds in every hundred that are capable of growth. The actual value of a sample for production purposes cannot be greater than the product of the percentage of purity multiplied by the percentage of germination. For instance, in the case of a sample of unhulled Red Top, guaranteed 50 per cent purity and 90 per cent germination, the actual seeding value of the sample is .50 x .90, or 45 per cent (not 90% as might be assumed from looking at the germination only.) In other words, 45 per cent of the weight of that sample is live seed, the rest is inert matter or dead seeds. Likewise, in the case of a sample of Alsike Clover, guaranteed 91.15 per cent purity, and 87 per cent germination, the

*Miss Ruth Davison, Miss Frances McCrillis and Miss Dorothy Phelps assisted with the germination and purity tests herein reported. For their services the writer wishes to express grateful acknowledgment.

actual seeding value of the sample is .9115 x .87, or 79 per cent.

A certain amount of variation is to be expected in comparing the results of two or more purity analyses. For this reason a "tolerance" or difference is allowed between the average results of our tests and the guarantee in accordance with the following formula. The sample is considered as being made up of two parts, the one being the pure seed and the other the balance of the sample. The tolerance in per cent allowed for the larger part or pure seed is two-tenths of one per cent plus 20 per cent of the lesser part. For instance, if a sample is guaranteed 99.60 per cent pure seed, it may test as low as 99.32 per cent or as high as 99.88 per cent and would be "satisfactory." In the same way, a sample guaranteed 92.80 per cent may test as low as 91.17 per cent or as high as 94.43 per cent and be "satisfactory." If a sample is found to be better than the highest figure in the tolerance, it is marked "Above" in this bulletin; if lower than the lowest figure, the actual figure is reported.

A wider tolerance for germination than for purity is allowed between the results of the test and the guarantee, as follows:

Guarantee per cent	*Allowable variation per cent*
90 or over	6
80 or over but less than 90	7
70 or over but less than 80	8
60 or over but less than 70	9
Less than 60	10

Accordingly, a sample guaranteed 92 per cent germination is "satisfactory" if it tests 86 per cent to 98 per cent. A sample guaranteed 85 per cent may fall as low as 78 per cent or as high as 92 per cent. If a sample tests higher than the per cent of variation allowed, it is marked "Above" in this bulletin, or, if it tests below the variation allowed, the actual figure is reported.

The summary table on the last page will show the general results of the seed inspection work for the year ending June 30, 1937.

COMPARISON OF SEEDS FOR EIGHT YEARS

	Number of Samples Tested	Below in Purity		Below in Germination	
		Number	Per cent	Number	Per cent
1930	375	51	13.6	74	19.7
1931	385	36	9.3	68	17.6
1932	357	23	6.4	46	12.8
1933	384	30	7.8	37	9.6
1934	412	22	5.3	62	15.0
1935	391	28	7.1	74	18.9
1936	430	34	7.9	84	19.5
1937	439	31	7.0	70	15.9

SEED INSPECTION, 1937

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10424	Alfalfa, Grimm (1496) ..... Ayers & Jenkins Co., Rochester	S	99.56	S	82
10494	Alfalfa, Grimm (3132) ..... Central Grain Co., Manchester	S	99.62	S	85
10329	Alfalfa, Grimm ..... Eastern States Farmers' Exc., Concord	S	99.40	A	75
10257	Alfalfa, Grimm (Blue Tag) ..... Farm Service Stores, Inc., Dover	S	99.50	S	90
10599	Alfalfa, Grimm (27-730) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	99.24	S	91
10294	Alfalfa, Grimm (Pine Tree, 27954) Merrimack Farmers' Exc, Inc., Concord	S	99.12	S	92
10377	Alfalfa, Grimm (Certified Utah, 2144) ..... S. A. Schurman & Son, Portsmouth	S	99.50	S	80
10381	Alfalfa, Grimm (Nebraska Grown, 27979) ..... S. A. Schurman & Son, Portsmouth	A	99.14	S	80
10631	Alfalfa (Arco, 28-76) ..... Sunshine Feed Store, West Lebanon	S	99.26	S	82
10247	Alfalfa, Grimm (Pine Tree, 27951) John B. Varick Co., Manchester	S	99.12	S	76
10429	Alsike Clover (5064) ..... Ayers & Jenkins Co., Rochester	S	98.88	S	82
10282	Alsike Clover ..... Berlin Grain Co., Berlin	S	96.97	S	85
10496	Alsike Clover (Liberty, 6300) ..... Central Grain Co., Manchester	S	98.68	S	86
10498	Alsike Clover (Liberty, 5735) ..... Central Grain Co., Manchester	S	97.54	S	86.50
10271	Alsike Clover (Herald) ..... Checkerboard Feed Store, Dover	96.48	....	71.5	....
10582	Alsike Clover (Pan American) .... F. W. Clark, Wilton	94.39	97.35	S	82
10664	Alsike Clover (Imperator, 1855) .. Clement Grain Store, Lisbon	A	97	S	79
10623	Alsike Clover (Pine Tree, 21-5298) Colebrook Feed Co., Colebrook	S	98	S	91
10434	Alsike Clover (Liberty, 5166) .... Freeman Corson, Rochester	A	97	69.5	85
10319	Alsike Clover ..... Eastern States Farmers' Exc., Concord	S	99	A	70
10398	Alsike Clover (Ace, 21995) ..... Farm Service Stores, Inc., Derry	S	95	37.5	90
10399	Alsike Clover (Ace, 21219) ..... Farm Service Stores, Inc., Derry	A	96	80.5	92
10268	Alsike Clover (Pan American) .... Farm Service Stores, Inc., Dover	S	98.50	S	90

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10350	Alsike Clover (Pan American) .... Farm Service Stores, Inc., Exeter	96.44	98.50	S	90
10351	Alsike Clover (Pan American) .... Farm Service Stores, Inc., Exeter	S	97	S	80
10489	Alsike Clover (12129) ..... Farm Service Stores, Inc., Manchester	S	98.67	S	91
10544	Alsike Clover (Liberty, 6300) ..... Farmers' Grain Store, Ashland	S	98.64	S	86
10440	Alsike Clover (Pan American) ..... Eugene C. Foss Co., Rochester	S	98.30	S	80
10477	Alsike Clover (Pan American) ..... John H. Griffin, Newmarket	S	98	S	80
10591	Alsike Clover (White Mtn., Extra Fancy) ..... Holbrook Grocery Co., Keene	S	98.50	S	90
10406	Alsike Clover ..... H. P. Hood & Son, Derry	S	99.18	S	98
10460	Alsike Clover (Pan American, 1969) ..... J. Jones & Son, Alton	97.05	98.30	S	80
10537	Alsike Clover (Pan American) .... Meredith Grain Store, Meredith	S	98	S	80
10292	Alsike Clover (Pine Tree, 21112) Merrimack Farmers' Exc, Inc., Concord	S	97.45	S	76
10293	Alsike Clover (Pine Tree, 21-562) Merrimack Farmers' Exc, Inc., Concord	S	98	S	91
10296	Alsike Clover (3193) ..... Merrimack Farmers' Exc, Inc., Concord	A	91.50	S	75
10346	Alsike Clover (Pine Tree, 21-562) Merrimack Farmers' Exc, Inc., Exeter	S	98	S	91
10528	Alsike Clover (Pine Tree, 21-5227) J. H. Morrill, Laconia	S	98.15	S	95
10420	Alsike Clover (Pan American, 1601) ..... Nashua Grain Co., Nashua	S	98	S	78
10661	Alsike Clover ..... Pike & Gale, Littleton	S	98	S	86
10603	Alsike Clover (Pan American) .... Rand, Ball & King Co., Claremont	S	98.30	S	75
10367	Alsike Clover (Pine Tree, 21175) S. A. Schurman & Son, Portsmouth	S	97.50	S	89
10260	Alsike Clover (5167) ..... J. H. Seavey, Dover	S	97	S	82
10638	Alsike Clover (Ace, 21x224) ..... F. B. Spaulding Co., Lancaster	S	95	84	94
10458	Alsike Clover ..... Strafford Co. Grain Mill, Rochester	S	99.18	S	95

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10587	Alsike Clover (25-105) ..... Sunshine Feed Store, Keene	S	98	S	82
10390	Alsike Clover (Arco, 25-75) ..... Sunshine Feed Store, Manchester	S	97.65	S	80
10525	Alsike Clover (21482) ..... F. B. Swain, Winnisquam	A	94.45	74	85
10307	Alsike Clover (Ace, 21103) ..... Thompson & Hoague Co., Concord	S	96.80	S	81
10251	Alsike Clover (Pine Tree, 2194) .. John B. Varick Co., Manchester	S	98.85	S	82
10669	Alsike Clover (Pan American) .... Woodsville Grain Co., Woodsville	S	98.04	S	80
10340	Alsike Clover (21945) ..... W. A. Young, Exeter	S	97.95	59.5	96
10428	Barley (6-row, 5330) ..... Freeman Corson, Rochester	S	98	S	94
10644	Barley (Fancy, 6-row) ..... G. B. Currier, Colebrook	S	96	S	95
10321	Barley (Alpha, 2-row) ..... Eastern States Farmers' Exc., Concord	S	98.90	S	90
10332	Barley (Wisconsin 38) ..... Eastern States Farmers' Exc., Concord	S	98.90	S	90
10583	Barley (71-17, 6-row) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	96.42	S	95
10373	Barley (8093, 2-row) ..... S. A. Schurman & Son, Portsmouth	95.25	97	S	85
10270	Barley (4615, 6-row) ..... J. H. Seavey, Dover	S	98	S	92
10242	Barley (71253, 6-row) ..... John B. Varick Co., Manchester	S	98.05	S	95
10671	Barley (6-row) ..... Woodsville Grain Co., Woodsville	S	96	S	95
10348	Blue Grass, Kentucky (321932) .. Farm Service Stores, Inc., Exeter	S	88.90	S	80
10485	Blue Grass, Kentucky (032678-2) Manchester Hardware Co., Manchester	S	83.10	S	80
10297	Blue Grass, Kentucky ..... Merrimack Farmers' Exc, Inc., Concord	S	88.90	S	80
10366	Blue Grass, Kentcky (3608) ..... S. A. Schurman & Son, Portsmouth	S	85	S	80
10234	Blue Grass, Kentucky (032676) .. John B. Varick Co., Manchester	S	85	S	80
10372	Buckwheat, Japanese (8104) ..... S. A. Schurman & Son, Portsmouth	S	99.76	S	97
10252	Buckwheat, Japanese (86125) ..... John B. Varick Co., Manchester	S	98.50	70	84

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10275	Canada Field Peas ..... Checkerboard Feed Store, Dover	S	98	S	90
10403	Canada Field Peas (85-23) ..... G. B. Currier Co., Colebrook	S	99	88	95
10326	Canada Field Peas ..... Eastern States Farmers' Exc., Concord	S	99.30	S	90
10316	Canada Field Peas (85-397) ..... Merrimack Farmers' Exc, Inc., Concord	S	99	S	93
10382	Canada Field Peas (9522) ..... S. A. Schurman & Son, Portsmouth	S	98	S	96
10236	Canada Field Peas (85404) ..... John B. Varick Co., Manchester	S	99	S	90
10305	Crimson Clover (022139) ..... Merrimack Farmers' Exc, Inc., Concord	S	98.76	S	85
10317	Chewings Fescue (034265) ..... Thompson & Hoague Co., Concord	S	99	57.5	90
10334	Hayland Mixture, No. 1 ..... Eastern States Farmers' Exc., Concord	S	99.15	A	74
10335	Hayland Mixture, No. 2 ..... Eastern States Farmers' Exc., Concord	S	98.25	S	78
10336	Hayland Mixture, No. 3 ..... Eastern States Farmers' Exc., Concord	S	98.85	S	73
10337	Hayland Mixture, No. 4 ..... Eastern States Farmers' Exc., Concord	S	99.30	S	58
10396	Ladino Clover ..... Eastern States Farmers' Exc., Manchester	S	99.50	S	50
10345	Lawn Seed (Setab Brand Special Lawn Mixture) ..... W. A. Young, Exeter	S	93	S	90
10409	Millet, Golden ..... Farm Service Stores, Inc., Nashua	S	99.01	60	90
10374	Millet, Golden (9037) ..... S. A. Schurman & Son, Portsmouth	S	99.44	S	90
10611	Millet, Hungarian ..... Abbott Grocery Co., Keene	S	99	76	90
10642	Millet, Hungarian (J 66037) ..... F. C. Berry, Lebanon	97.07	99	S	88
10552	Millet, Hungarian (2422) ..... Boynton & Ellis, Claremont	A	99	S	90
10467	Millet, Hungarian (47-55) ..... Vincent H. Cassidy, Londonderry	S	99.35	S	87
10493	Millet, Hungarian (5675) ..... Central Grain Co., Manchester	S	99.13	S	91.50
10512	Millet, Hungarian (6344) ..... Chase Grain Mill, Plymouth	96.85	98	S	91

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10593	Millet, Hungarian ..... Cheshire Co. Grain Co., Keene	97.58	99.60	S	85
10427	Millet, Hungarian (5337) ..... Freeman Corson, Rochester	S	99.05	67	85
10660	Millet, Hungarian (38-88) ..... G. B. Currier Co., Colebrook	S	99.12	79.5	88
10598	Millet, Hungarian (Fancy) ..... S. A. Dow & Son, No. Hampton	S	99	60	90
10600	Millet, Hungarian (Fancy) ..... D. A. Eaves, East Jaffrey	S	99.04	S	90
10325	Millet, Hungarian ..... Eastern States Farmers' Exc., Concord	S	98.75	S	80
10387	Millet, Hungarian (8333) ..... Farm Service Stores, Inc., Derry	A	98.60	74.5	90
10277	Millet, Hungarian ..... Farm Service Stores, Inc., Dover	S	99.09	S	90
10352	Millet, Hungarian (9025) ..... Farm Service Stores, Inc., Exeter	S	99.09	S	90
10573	Millet, Hungarian ..... Farm Service Stores, Inc., Peterborough	S	99.20	S	94
10384	Millet, Hungarian (8333) ..... Farm Service Stores, Inc., Portsmouth	A	98.60	78	90
10543	Millet, Hungarian (Fullworth, 35708) ..... Farmers' Grain Store, Ashland	S	99.58	S	86
10411	Millet, Hungarian (J 6-2936) ..... Hill Hardware & Paint Co., Nashua	S	99.54	65	85
10412	Millet, Hungarian ..... Hill Hardware & Paint Co., Nashua	A	99	S	90
10590	Millet, Hungarian ..... Holbrook Grocery Co., Keene	S	99	77	90
10652	Millet, Hungarian (8336) ..... Holbrook Grocery Co., Woodsville	S	97.40	S	90
10404	Millet, Hungarian ..... H. P. Hood & Son, Derry	S	96.80	S	93
10462	Millet, Hungarian ..... J. Jones & Son, Alton	A	99	S	90
10514	Millet, Hungarian (Fancy) ..... E. J. Keegan & Co., Franklin	S	98	68	90
10632	Millet, Hungarian (Blue Ribbon, 83-59) ..... Lewis Bros., Lebanon	S	99.08	S	87
10446	Millet, Hungarian ..... H. P. Maxfield, Pittsfield	S	98	76	90
10452	Millet, Hungarian (83-58) ..... H. P. Maxfield, Pittsfield	S	99.08	S	85
10540	Millet, Hungarian (9013) ..... Meredith Grain Store, Meredith	S	99	S	87

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10314	Millet, Hungarian (8334) ..... Merrimack Farmers' Exc, Inc., Concord	S	99.28	S	82
10356	Millet, Hungarian ..... J. J. Moreau & Son, Manchester	S	96.80	S	93
10527	Millet, Hungarian ..... J. H. Morrill, Laconia	S	99.20	81.5	90
10421	Millet, Hungarian ..... Nashua Grain Co., Nashua	98.53	99.60	S	85
10650	Millet, Hungarian ..... Pike & Gale, Littleton	S	99	71	85
10614	Millet, Hungarian (6344) ..... W. N. Potter Grain Stores, Inc., Winchester	S	97.68	S	91
10533	Millet, Hungarian (9046) ..... H. C. Sanborn, Laconia	S	99	S	90
10375	Millet, Hungarian (Fancy) ..... S. A. Schurman & Son, Portsmouth	S	99.04	S	90
10258	Millet, Hungarian (5679) ..... J. H. Seavey, Dover	S	98.95	81	91
10259	Millet, Hungarian (5337) ..... J. H. Seavey, Dover	S	99.05	71	85
10627	Millet, Hungarian (83-53) ..... F. B. Spaulding Co., Lancaster	A	98.38	S	93
10562	Millet, Hungarian (38-88) ..... Sunshine Feed Store, Keene	S	99.12	77	88
10393	Millet, Hungarian (Fancy) ..... Sunshine Feed Store, Manchester	A	98.50	S	86
10306	Millet, Hungarian (8335) ..... Thompson & Hoague Co., Concord	S	99.46	S	84
10473	Millet, Hungarian (J 66035) ..... A. J. Turcotte, Newmarket	S	99.60	S	82
10237	Millet, Hungarian (8334) ..... John B. Varick Co., Manchester	S	99.00	S	82
10668	Millet, Hungarian (8337) ..... Woodsville Grain Co., Woodsville	S	99.88	S	90
10344	Millet, Hungarian (9013) ..... W. A. Young, Exeter	S	99.56	S	88
10578	Millet, Japanese ..... Abbot Grocery Co., Keene	A	97.96	S	80
10612	Millet, Japanese ..... Abbot Grocery Co., Keene	S	98.49	S	90
10284	Millet, Japanese (2324) ..... Berlin Grain Co., Berlin	A	96.71	S	86
10437	Millet, Japanese ..... P. W. Bragg, Farmington	S	97.50	78.5	90
10536	Millet, Japanese ..... W. B. Brown, Ashland	95.16	98.06	S	90
10511	Millet, Japanese (6394) ..... Chase Grain Mill, Plymouth	S	98.00	S	85
10504	Millet, Japanese (81-10) ..... G. G. Cummings, Bristol	S	98.67	S	92

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10649	Millet, Japanese (38-94) ..... The Depot Store, Inc., Littleton	S	98.60	S	88
10617	Millet, Japanese (9030) ..... D. A. Eaves, East Jaffrey	S	98.96	S	90
10327	Millet, Japanese ..... Eastern States Farmers' Exc., Concord	S	98	S	90
10264	Millet, Japanese ..... Farm Service Stores, Inc., Dover	97.09	98.09	S	90
10272	Millet, Japanese (81173) ..... Farm Service Stores, Inc., Dover	S	97.52	S	80
10574	Millet, Japanese (38-78) ..... Farm Service Stores, Inc., Peterborough	96.51	98.58	S	84
10442	Millet, Japanese ..... Eugene C. Foss Co., Rochester	S	96.75	78	88
10410	Millet, Japanese ..... Hill Hardware & Paint Co., Nashua	97.19	98.00	S	97
10589	Millet, Japanese ..... Holbrook Grocery Co., Keene	A	98	67	85
10656	Millet, Japanese ..... Holbrook Grocery Co., Woodsville	A	98.09	S	90
10407	Millet, Japanese (81-7) ..... H. P. Hood & Sons, Derry	S	98.17	78	88
10572	Millet, Japanese ..... Hopkins Bros. & Belcher Co., Greenfield	A	98.00	71.5	85
10606	Millet, Japanese (81-5) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	98.36	S	89
10463	Millet, Japanese ..... J. Jones & Son, Alton	S	98.00	S	90
10513	Millet, Japanese ..... E. J. Keegan & Co., Franklin	S	98.06	S	90
10641	Millet, Japanese (Blue Ribbon, 81-6) ..... Lewis Bros., Lebanon	S	97.51	S	87
10487	Millet, Japanese (81186) ..... Manchester Hardware Co., Manchester	96.74	98.00	S	85
10451	Millet, Japanese (44-122) ..... H. P. Maxfield, Pittsfield	S	99.08	76	88
10541	Millet, Japanese (Fancy, 9042) .... Meredith Grain Store, Meredith	S	99	S	90
10310	Millet, Japanese (81174) ..... Merrimack Farmers' Exc., Inc., Concord	S	98.72	S	86
10365	Millet, Japanese ..... J. J. Moreau & Son, Manchester	A	97.76	S	86
10422	Millet, Japanese ..... Nashua Grain Co., Nashua	S	97.76	S	86

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10621	Millet, Japanese (5548) ..... J. M. Parker & Co., Fitzwilliam	S	98.00	S	88
10662	Millet, Japanese (J 5037) ..... Pike & Gale, Littleton	A	96.14	S	90
10548	Millet, Japanese ..... Rand, Ball & King Co., Claremont	S	97.95	S	80
10535	Millet, Japanese (9034) ..... H. C. Sanborn, Laconia	97.49	98.96	S	90
10371	Millet, Japanese (9026) ..... S. A. Schurman & Son, Portsmouth	A	96	S	90
10376	Millet, Japanese (9044) ..... S. A. Schurman & Son, Portsmouth	S	98.20	S	90
10262	Millet, Japanese (5750) ..... J. H. Seavey, Dover	S	98.80	S	94
10625	Millet, Japanese (81-2) ..... F. B. Spaulding, Co., Lancaster	S	98.09	S	91
10456	Millet, Japanese ..... Strafford Co. Grain Mill, Rochester	S	97.76	S	86
10395	Millet, Japanese (81-2) ..... Sunshine Feed Store, Manchester	A	98.09	S	91
10524	Millet, Japanese ..... F. B. Swain, Winnisquam	A	98.00	70.5	85
10475	Millet, Japanese (J 5-A-37) ..... A. J. Turcotte, Newmarket	S	97.00	S	87
10246	Millet, Japanese (81186) ..... John B. Varick Co., Manchester	S	98.00	S	85
10517	Oats (Barco Seed) ..... Central Grain Store, Franklin	97.15	99.50	S	96
10622	Oats (Pennant) ..... Colebrook Feed Co., Colebrook	S	99.50	S	98
10318	Oats (Ithacan) ..... Eastern States Farmers' Exc., Concord	S	99.40	S	90
10330	Oats (Upright) ..... Eastern States Farmers' Exc., Concord	S	99.40	S	90
10331	Oats (Selected) ..... Eastern States Farmers' Exc., Concord	96.74	99.00	S	90
10480	Oats (Swedish) ..... John H. Griffin, Newmarket	S	99.00	90	99
10594	Oats (Swedish type, 36-44) ..... Holbrook Grocery Co., Keene	S	98.00	S	95
10554	Oats (Granite State) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	98.00	S	95
10413	Oats (Royal Banner, 509) ..... Arthur J. Kashulines Co., Nashua	S	99.50	S	95
10526	Oats (Wirthmore Fancy) ..... Meredith Grain Store, Meredith	S	98.00	S	95

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10468	Oats (Swedish Type) ..... Merrimack Farmers' Exc., Inc., Manchester	S	99.00	S	95
10483	Oats (Natural) ..... Merrimack Farmers' Exc., Inc., Manchester	S	99.00	S	95
10354	Oats (Swedish) ..... J. J. Moreau & Son, Manchester	97.98	99.00	S	92
10355	Oats (Swedish Select) ..... J. J. Moreau & Son, Manchester	S	97.00	73.5	90
10564	Oats (Swedish Select, 3288) ..... Nelson-Warner Co., Charlestown	S	97.25	S	93
10566	Oats (Swedish Type) ..... Newport Feed Store, Newport	S	98.00	S	95
10568	Oats (Hygrade Fancy) ..... W. N. Potter Grain Stores, Inc., Winchester	S	97.00	S	92
10501	Oats (Blue Seal) ..... Arthur Price, Madbury	S	98.00	S	95
10266	Oats (Fancy Selected, 5261) ..... J. H. Seavey, Dover	S	97.00	S	93
10639	Oats (X-tragood Swedish Type) .. F. B. Spaulding Co., Lancaster	S	97.00	S	95
10516	Oats (Swedish Select, 3278) ..... C. P. Stevens Co., Franklin	S	97.25	82.5	93
10565	Oats (Arco Swedish Type, 36-44) Sunshine Feed Stores, Keene	S	98.00	S	95
10250	Oats (Swedish Type, 73206) ..... John B. Varick Co., Manchester	S	99.03	S	94
10595	Oats (Overall, Selected) ..... Wilton Feed & Supply Co., Wilton	S	96.00	S	95
10233	Poa Trivialis (034306) ..... John B. Varick Co., Manchester	S	90.30	S	90
10300	Rape (Dwarf Essex, 95457) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.89	S	95
10547	Red Clover (Herald) ..... Abbot Grocery Co., Keene	98.58	....	78	....
10430	Red Clover ..... Ayers & Jenkins Co., Rochester	S	99.40	S	95
10281	Red Clover (024609) ..... Berlin Grain Co., Berlin	S	98.50	S	82
10559	Red Clover ..... Boynton & Ellis, Claremont	S	99.00	78.5	93
10466	Red Clover (Pan American, Med., 5576) ..... Vincent H. Cassidy, Londonderry	98.86	99.40	S	91
10521	Red Clover (Imp. Med., 5725) ..... Central Grain Store, Franklin	S	99.26	S	87
10254	Red Clover (Imperator, Med.) ..... Checkerboard Feed Store, Dover	S	98.37	S	96
10607	Red Clover (Medium) ..... F. W. Clark, Wilton	88.47	98.00	S	90
10658	Red Clover (Hung. Grown, 6310) .. Clark & Richardson, Lisbon	99.09	99.56	S	84

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10507	Red Clover (Med., 24391) ..... G. G. Cummings, Bristol	S	97.44	S	90
10635	Red Clover (Med., 15-130) ..... G. B. Currier Co., Colebrook	S	99.39	S	87
10636	Red Clover (Ace, 24x272) ..... G. B. Currier Co., Colebrook	S	98.14	S	83
10546	Red Clover (Med., Imp.) ..... D. A. Eaves, East Jaffrey	99.33	....	95	....
10333	Red Clover (Medium) ..... Eastern States Farmers' Exc., Concord	98.75	99.45	A	75
10400	Red Clover (Ace, 24474) ..... Farm Service Stores, Inc., Derry	S	98.00	S	80
10401	Red Clover (Med., Pan American).. Farm Service Stores, Inc., Derry	S	99.25	S	90
10269	Red Clover (Pan American, Med. Domestic) ..... Farm Service Stores, Inc., Dover	S	99.00	S	85
10575	Red Clover (Fancy, Medium) ..... Farm Service Stores, Inc., Milford	S	99.28	74.5	90
10542	Red Clover (Liberty, 6359) ..... Farmers' Grain Store, Ashland	S	99.00	S	85
10476	Red Clover (Pan American, Domestic, 5668) ..... John H. Griffin, Newmarket	S	99.04	S	85
10481	Red Clover (Pan American, Med, Domestic, 5576) ..... John H. Griffin, Newmarket	S	99.25	S	90
10580	Red Clover (Special, Medium) ..... Holbrook Grocery Co., Keene	S	96.26	S	83
10657	Red Clover (Special, Medium) .... Holbrook Grocery Co., Woodsville	S	96.32	S	84
10405	Red Clover ..... H. P. Hood & Son, Derry	S	98.85	S	93
10461	Red Clover (Medium, Imported) .. J. Jones & Son, Alton	S	99.22	S	90
10484	Red Clover (24-55) ..... Manchester Hardware Co., Manchester	S	99.10	S	95
10450	Red Clover (Liberty, 5752) ..... H. P. Maxfield, Pittsfield	S	99.00	S	86
10539	Red Clover (Pan American, Med., Domestic, 5684) ..... Meredith Grain Store, Meredith	S	99.00	S	90
10286	Red Clover (Pine Tree, 24-562) .. Merrimack Farmers' Exc., Inc., Concord	S	99.10	S	93
10287	Red Clover (Med., Pine Tree, 24560) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.38	S	82

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10288	Red Clover (Med., Pine Tree, 24462) ..... Merrimack Farmers' Exc., Inc., Concord	98.83	99.44	S	83
10289	Red Clover (Med., Pine Tree, 24412) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.16	S	85
10291	Red Clover (Mammoth Pine Tree, 23202) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.64	A	85
10491	Red Clover (Mammoth Pine Tree, 23197) ..... Merrimack Farmers' Exc., Inc., Manchester	A	99.38	S	92
10577	Red Clover (Ace, 24611) ..... Merrimack Farmers' Exc., Inc., Milford	S	98.22	S	88
10364	Red Clover ..... J. J. Moreau & Son, Manchester	S	99.50	S	82
10529	Red Clover (Pan American, Med., 5584) ..... J. H. Morrill, Laconia	S	99.25	S	90
10618	Red Clover (Liberty, 5842) ..... Nelson Warner Co., Charlestown	S	99.07	S	84
10613	Red Clover (Liberty, 5842) ..... J. M. Parker & Co., Fitzwilliam	S	99.07	S	84
10605	Red Clover ..... Rand, Ball & King Co., Claremont	S	99.00	S	85
10551	Red Clover ..... Rowell Bros., Newport	97.59	99.22	72	91
10532	Red Clover (Imported Medium, 5727) ..... H. C. Sanborn, Laconia	S	99.22	S	90
10379	Red Clover (024592) ..... S. A. Schurman & Son, Portsmouth	S	97.76	S	74
10380	Red Clover (Grown in Poland, 024609) ..... S. A. Schurman & Son, Portsmouth	S	98.50	S	82
10637	Red Clover (Mammoth Polish, 23 x 46) ..... F. B. Spaulding Co., Lancaster	S	99.00	S	79
10502	Red Clover (23-516) ..... C. P. Stevens Co., Franklin	S	98.38	S	94
10503	Red Clover (Imported, 6412) ..... C. P. Stevens Co., Franklin	S	99.00	S	90
10455	Red Clover (Medium) ..... Strafford Co. Grain Mill, Rochester	98.86	99.40	S	95
10610	Red Clover (Medium, 15-105) ..... Sunshine Feed Store, Keene	S	99.34	S	80
10389	Red Clover (Medium, Anchor, 15-105) ..... Sunshine Feed Store, Manchester	S	99.34	S	80

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SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10394	Red Clover (Medium B-1613) ..... Sunshine Feed Store, Manchester	S	99.60	S	92
10474	Red Clover (Ace, 024609) ..... A. J. Turcotte, Newmarket	A	98.50	S	82
10239	Red Clover (Ace, 024608) ..... John B. Varick Co., Manchester	S	98.46	S	71
10240	Red Clover (Ace, 024609) ..... John B. Varick Co., Manchester	S	98.50	S	82
10667	Red Clover (Canada Grown) ..... Woodsville Grain Co., Woodsville	S	97.00	S	83
10431	Red Top (41148) ..... Ayers & Jenkins Co., Rochester	92.53	95.60	S	90
10280	Red Top (Fancy, 2653) ..... Berlin Grain Co., Berlin	92.46	95.30	S	90
10285	Red Top (5557) ..... Berlin Grain Co., Berlin	S	92.80	70.5	86
10604	Red Top ..... Boynton & Ellis, Claremont	S	95.50	S	92
10438	Red Top ..... P. W. Bragg, Farmington	S	91.00	S	90
10470	Red Top (Pan American) ..... Vincent H. Cassidy, Londonderry	S	94.00	76	88
10497	Red Top (Fancy, 3192) ..... Central Grain Co., Manchester	S	92.63	75	90
10520	Red Top (Pan American, 4243) .. Central Grain Store, Franklin	A	92.25	S	90
10523	Red Top (Imperator, 4212) ..... Checkerboard Feed Store, Tilton	S	90.00	S	90
10601	Red Top (Fancy) ..... Cheshire Co. Grain Co., Keene	S	90.00	S	90
10665	Red Top (XX, Fancy) ..... Clement Grain Store, Lisbon	S	85.00	S	90
10433	Red Top (L 12936) ..... Freeman Corson, Rochester	S	93.15	S	90
10506	Red Top (Ace, 41-48) ..... G. G. Cummings, Bristol	A	92.00	81.5	90
10646	Red Top (Fancy, 30-31) ..... The Depot Store, Inc., Littleton	S	95.00	S	90
10634	Red Top (Pan American, 4254) .... S. A. Dow & Son, No. Hampton	S	92.20	S	90
10328	Red Top (Fancy Solid) ..... Eastern States Farmers' Exc., Concord	S	97.00	S	94
10388	Red Top (Pan American, 4226) .... Farm Service Stores, Inc., Derry	S	93.00	S	90
10276	Red Top (Pan American) ..... Farm Service Stores, Inc., Dover	S	93.00	S	90
10349	Red Top (Ace, Fancy, 41327) ..... Farm Service Stores, Inc., Exeter	S	92.30	S	90
10415	Red Top (Ace, 041214) ..... Farm Service Stores, Inc., Nashua	A	92.10	S	90
10553	Red Top (Fancy) ..... Farm Service Stores, Inc., Peterborough	A	85.00	S	85

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SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10569	Red Top (XX Fancy) ..... Farm Service Stores, Inc., Peterborough	S	86.00	S	85
10439	Red Top (Pan American) ..... Eugene C. Foss Co., Rochester	S	92.20	S	90
10441	Red Top (Pan American, 4243) .... Eugene C. Foss Co., Rochester	A	92.25	S	90
10482	Red Top (Pan American) ..... John H. Griffin, Newmarket	S	92.00	S	88
10640	Red Top (30-442) ..... C. M. Hildreth Co., Lebanon	S	95.00	74.5	90
10581	Red Top (Fancy, White Mtn.) .... Holbrook Grocery Co., Keene	S	95.00	69.5	90
10585	Red Top (Fancy) ..... Holbrook Grocery Co., Keene	S	92.00	75.5	90
10597	Red Top (Pan American, 4226) .... Farm Service Stores, Inc., Milford	S	93.00	78.5	90
10619	Red Top (XX) ..... Holbrook Grocery Co., Keene	S	90.00	S	90
10651	Red Top (Fancy) ..... Holbrook Grocery Co., Woodsville	S	85.00	S	85
10465	Red Top ..... J. Jones & Son, Alton	A	92.00	S	90
10414	Red Top (Gem) ..... Arthur J. Kashuliues Co., Nashua	A	92.00	S	90
10499	Red Top (Pan American, 4210) .... E. J. Keegan & Son, Franklin	S	94.00	S	88
10486	Red Top (Pine Tree, 41370) ..... Manchester Hardware Co., Manchester	S	96.10	80	92
10445	Red Top (Pan American) ..... H. P. Maxfield, Pittsfield	S	92.90	S	90
10538	Red Top (Pan American, 4255) .... Meredith Grain Store, Meredith	S	92.00	S	90
10302	Red Top (Ace, Fancy, 41322) .... Merrimack Farmers' Exc., Inc., Concord	S	90.10	S	90
10515	Red Top (41-421) ..... Merrimack Farmers' Exc., Inc., Laconia	S	92.00	S	90
10459	Red Top (Ace, 041258) ..... Merrimack Farmers' Exc., Inc., Pittsfield	S	90.50	S	90
10358	Red Top (Fancy) ..... J. J. Moreau & Son, Manchester	S	92.00	S	90
10359	Red Top (Fancy) ..... J. J. Moreau & Son, Manchester	S	92.00	82	90
10361	Red Top (Pan American) ..... J. J. Moreau & Son, Manchester	S	94.00	S	88
10531	Red Top (Fancy, 041247) ..... J. H. Morrill, Laconia	S	91.10	S	90
10418	Red Top ..... Nashua Grain Co., Nashua	S	90.00	S	90

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SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10419	Red Top (B. S.) ..... Nashua Grain Co., Nashua	93.26	97.24	S	92
10609	Red Top (Fancy, 5912) ..... Nelson Warner Co., Charlestown	S	90.15	S	90
10560	Red Top (Fancy, 2265) ..... J. M. Parker & Co., Fitzwilliam	S	92.54	S	85
10279	Red Top ..... Pike & Gale, Littleton	A	92.00	S	90
10567	Red Top (35823) ..... W. N. Potter Grain Stores, Winchester	S	92.63	75	94
10556	Red Top (Pan American) ..... Rand, Ball & King Co., Claremont	92.46	95.00	S	90
10558	Red Top (Choice) ..... Rowell Bros., Newport	S	95.00	73.5	90
10369	Red Top (Pan American, 4248) .... S. A. Schurman & Son, Portsmouth	S	94.00	S	90
10370	Red Top (Ace, Fancy, 41232) ..... S. A. Schurman & Son, Portsmouth	S	92.00	S	90
10263	Red Top (Ace, 41-42) ..... J. H. Seavey, Dover	S	94.70	S	94
10274	Red Top (Fancy, 5709) ..... J. H. Seavey, Dover	S	90.35	S	92
10454	Red Top (Fancy) ..... Strafford Co. Grain Mill, Rochester	S	90.00	S	90
10563	Red Top (Fancy, 30-35) ..... Sunshine Feed Store, Keene	S	93.00	S	90
10392	Red Top (Fancy, 30-35) ..... Sunshine Feed Store, Manchester	S	93.00	S	90
10630	Red Top (30-36) ..... Sunshine Feed Store, West Lebanon	S	91.00	S	90
10308	Red Top (Ace, Fancy, 41360) ..... Thompson & Hoague, Co., Concord	S	90.60	S	90
10472	Red Top (Ace, 4115) ..... A. J. Turcotte, Newmarket	S	90.00	S	90
10244	Red Top (Fancy Pine Tree, 41359) John B. Varick Co., Manchester	S	95.00	S	90
10245	Red Top (Ace, Fancy, 041246) .... John B. Varick Co., Manchester	S	90.60	S	90
10385	Red Top (Fancy) ..... H. T. Wendell, Portsmouth	S	90.00	S	90
10666	Red Top (Pan American) ..... Woodsville Grain Co., Woodsville	S	92.70	S	90
10339	Red Top (Pan American, 4210) .... W. A. Young, Exeter	S	94.00	77	88
10342	Red Top (Fancy, No. 1) ..... W. A. Young, Exeter	93.02	95.00	S	90
10324	Rye, Spring ..... Eastern States Farmers' Exc., Concord	S	98.95	S	90

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10654	Rye, Spring ..... Holbrook Grocery Co., Woodsville	S	97.49	59	92
10313	Rye, Rosen ..... Merrimack Farmers' Exc., Inc., Concord	S	95.00	71	95
10492	Rye, Spring (74195) ..... Merrimack Farmers' Exc., Inc., Manchester	S	96.20	73	90
10363	Rye, Spring ..... J. J. Moreau & Son, Manchester	S	98.20	47.5	86
10249	Rye, Spring (74203) ..... John B. Varick Co., Manchester	S	97.20	S	86
10378	Rye Grass (Domestic, 4807) ..... S. A. Schurman & Son, Portsmouth	S	99.22	S	94
10241	Rye Grass (38194) ..... John B. Varick Co., Manchester	S	99.56	83.5	94
10469	Soy Beans (Manchu, 84273) ..... Vincent H. Cassidy, Londonderry	S	99.50	69.5	88
10510	Soy Beans (Black Wilson, 631) .... Chase Grain Mill, Plymouth	S	99.92	S	94
10320	Soy Beans (Dunfield) ..... Eastern States Farmers' Exc., Concord	S	99.30	S	90
10309	Soy Beans (Black Wilson, 84357) Merrimack Farmers' Exc., Inc., Concord	S	99.00	S	90
10311	Soy Beans (Illini, 84365) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.50	78	90
10312	Soy Beans (Manchu, 84356) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.00	S	94
10596	Soy Beans (Manchu, 084340) ..... Merrimack Farmers' Exc., Inc., Milford	S	99.00	S	90
10383	Soy Beans (Black Wilson) ..... S. A. Schurman & Son, Portsmouth	S	98.00	S	85
10453	Soy Beans (Black Wilson) ..... Strafford Co. Grain Mill, Rochester	S	98.00	64	90
10643	Soy Beans (Manchu, 4260) ..... Sunshine Feed Store, West Lebanon	S	98.00	S	92
10253	Soy Beans (Illini, 84365) ..... John B. Varick Co., Manchester	S	99.50	63	90
10586	Sudan Grass (98-810) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	97.71	76.5	88
10303	Sudan Grass (098234) ..... Merrimack Farmers' Exc., Inc., Concord	S	98.50	S	80
10629	Sudan Grass (70-36) ..... Sunshine Feed Store, West Lebanon	S	97.49	74.5	85

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10235	Sudan Grass John B. Varick Co., Manchester	S	98.50	S	80
10518	Sweet Clover (Fancy) Central Grain Store, Franklin	S	99.00	S	75
10397	Sweet Clover (White Blossom) Eastern States Farmers' Exc., Manchester	A	97.00	S	74
10402	Sweet Clover (White Blossom) Farm Service Stores, Inc., Derry	A	96.16	59	74
10353	Sweet Clover (Fancy) Farm Service Stores, Inc., Exeter	S	99.36	69.5	82
10588	Sweet Clover (White) Holbrook Grocery Co., Keene	A	97.30	59.5	70
10298	Sweet Clover (White Blossom, Pine Tree, 25637) Merrimack Farmers' Exc., Inc., Concord	S	99.34	62	80
10299	Sweet Clover (White Blossom, Pine Tree, 25672) Merrimack Farmers' Exc., Inc., Concord	S	99.54	S	77
10238	Sweet Clover (Ace, White Blossom, 25719-1) John B. Varick Co., Manchester	S	99.34	S	87
10425	Timothy Ayers & Jenkins Co., Rochester	S	99.50	S	92
10283	Timothy (Pine Tree, 66-5126) Berlin Grain Co., Berlin	S	99.65	S	94
10555	Timothy (Pine Tree, 69667) Boynton & Ellis, Claremont	S	99.50	S	94
10436	Timothy P. W. Bragg, Farmington	A	98.00	S	92
10508	Timothy (Fancy) Cavis Bros., Bristol	S	99.60	S	92
10495	Timothy (Liberty, 6399) Central Grain Co., Manchester	S	99.60	S	90
10519	Timothy (Pan American) Central Grain Stores, Franklin	S	99.60	S	90
10522	Timothy (Pan American) Checkerboard Feed Store, Tilton	S	99.60	S	92
10571	Timothy (Pan American) F. W. Clark, Wilton	S	99.60	S	92
10663	Timothy (Worcester) Clement Grain Store, Lisbon	S	99.65	S	94
10624	Timothy (Pine Tree, 66-562) Colebrook Feed Company, Colebrook	S	99.60	S	92
10432	Timothy (Liberty, 3088) Freeman Corson, Rochester	S	99.60	S	93
10435	Timothy (Marvel, L.32134) Freeman Corson, Rochester	S	99.60	S	72
10505	Timothy (Pine Tree, 69331) G. G. Cummings, Bristol	S	99.70	S	94
10645	Timothy (Pine Tree, 66-534) G. B. Currier Co., Colebrook	S	99.60	S	93

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10647	Timothy (Arco, 10-128) ..... The Depot Store, Inc., Littleton	S	99.70	S	92
10648	Timothy (Herald, 579) ..... The Depot Store, Inc., Littleton	A	98.37	S	88
10633	Timothy (Pan American) ..... S. A. Dow, North Hampton	S	99.60	S	90
10322	Timothy ..... Eastern States Farmers' Exc., Concord	S	99.60	S	90
10500	Timothy (14247) ..... Farm Service Stores, Inc., Derry	S	99.60	S	94
10256	Timothy (Pan American) ..... Farm Service Stores, Inc., Dover	S	99.60	S	90
10265	Timothy (Pine Tree, 69655) ..... Farm Service Stores, Inc., Dover	S	99.70	S	94
10347	Timothy (Pine Tree, 69709) ..... Farm Service Stores, Inc., Exeter	S	99.65	S	93
10416	Timothy (Pan American) ..... Farm Service Stores, Inc., Nashua	S	99.60	S	90
10549	Timothy (Special) ..... Farm Service Stores, Inc., Peterborough	S	98.00	S	91
10545	Timothy (Liberty, 2927) ..... Farmers' Grain Store, Ashland	S	99.60	S	93
10509	Timothy (Special) ..... Follansbee & Mitchell, Bristol	S	98.00	S	90
10443	Timothy (Pan American) ..... Eugene C. Foss Co., Rochester	S	99.60	S	90
10444	Timothy (Pine Tree, 69331) ..... Eugene C. Foss Co., Rochester	S	99.70	S	94
10479	Timothy (Pan American) ..... John H. Griffin, Newmarket	S	99.60	S	92
10561	Timothy (White Mtn., Extra Fancy) ..... Holbrook Grocery Co., Keene	S	99.65	S	94
10584	Timothy (Monadnock) ..... Holbrook Grocery Co., Keene	S	99.50	82.5	94
10602	Timothy (Special) ..... Holbrook Grocery Co., Keene	95.99	97.00	S	90
10653	Timothy (Pine Tree, 6933) ..... Holbrook Grocery Co., Woodsville	S	99.70	S	93
10655	Timothy (White Mtn., Extra Fancy) ..... Holbrook Grocery Co., Woodsville	S	99.60	S	95
10659	Timothy (Special, 69935) ..... Holbrook Grocery Co., Woodsville	A	97.00	S	90
10408	Timothy ..... H. P. Hood & Sons, Derry	S	99.52	S	94

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10570	Timothy (Monadnock) ..... Hopkins Bros. & Belcher Co., Greenfield	S	99.50	S	94
10608	Timothy (Pine Tree, 66-532) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	99.60	S	94
10464	Timothy ..... J. Jones & Son, Alton	S	98	S	91
10417	Timothy ..... Arthur J. Kashulines Co., Nashua	S	99.50	S	92
10628	Timothy (B-900) ..... Lewis Bros., Lebanon	S	99.60	S	92
10488	Timothy (Pine Tree, 69887) ..... Manchester Hardware Co., Manchester	S	99.65	S	93
10447	Timothy (Liberty, 5681) ..... H. P. Maxfield, Pittsfield	S	99.65	S	92
10448	Timothy (Liberty, 5465) ..... H. P. Maxfield, Pittsfield	S	99.60	S	92
10449	Timothy (Blue Ribbon, B-900) .... H. P. Maxfield, Pittsfield	S	99.60	S	92
10290	Timothy (Pine Tree, 69777) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.65	S	93
10338	Timothy (Pine Tree, 69321) ..... Merrimack Farmers' Exc., Inc., Exeter	S	99.70	S	94
10490	Timothy (Pine Tree, 69879) ..... Merrimack Farmers' Exc., Inc., Manchester	S	99.65	S	93
10357	Timothy ..... J. J. Moreau & Son, Manchester	S	99.52	S	92
10360	Timothy (Pan American) ..... J. J. Moreau & Son, Manchester	S	99.60	S	92
10530	Timothy (Pine Tree, 66-556) ..... J. H. Morrill, Laconia	S	99.60	S	94
10423	Timothy ..... Nashua Grain Co., Nashua	S	99.57	S	92
10620	Timothy ..... Nelson Warner Co., Charlestown	S	99.60	S	94
10616	Timothy (Liberty, 5952) ..... J. M. Parker & Co., Fitzwilliam	S	99.60	S	92
10278	Timothy (Pine Tree) ..... Pike & Gale, Littleton	S	99.50	S	95
10615	Timothy (Liberty, 2927) ..... W. N. Potter Grain Stores, Inc., Winchester	S	99.60	S	93
10557	Timothy (Pan American) ..... Rand, Ball & King Co., Claremont	S	99.60	S	90
10550	Timothy (Liberty, 3088) ..... Rowell Bros., Newport	S	99.60	S	93
10534	Timothy (Pan American) ..... H. C. Sanborn, Laconia	S	99.60	S	90

A=Above S=Satisfactory

SEED INSPECTION, 1937—Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
10368	Timothy (Pine Tree, 69879) ..... S. A. Schurman & Son, Portsmouth	S	99.65	S	93
10255	Timothy (Pine Tree, 66-513) ..... J. H. Seavey, Dover	S	99.60	90	....
10267	Timothy (Pan American) ..... J. H. Seavey, Dover	S	99.60	S	92
10273	Timothy (Liberty, 19513) ..... J. H. Seavey, Dover	S	99.70	S	95
10626	Timothy (Pine Tree, 66-538) ..... F. B. Spaulding Co., Lancaster	S	99.60	S	93
10457	Timothy ..... Strafford Co. Grain Mill, Rochester	A	98.80	S	95
10579	Timothy (Arco, 10-127) ..... Sunshine Feed Store, Keene	S	99.65	S	94
10391	Timothy (Arco, 10-127) ..... Sunshine Feed Stores, Manchester	S	99.65	S	94
10304	Timothy (Pine Tree, 69859) ..... Thompson & Hoague, Co., Concord	S	99.60	S	93
10471	Timothy ..... A. J. Turcotte, Newmarket	S	99.60	S	94
10243	Timothy (Pine Tree, 69845) ..... John B. Varick Co., Manchester	S	99.60	S	93
10386	Timothy ..... H. T. Wendell, Portsmouth	A	99.00	S	93
10670	Timothy (Pine Tree, 66-565) ..... Woodsville Grain Co., Woodsville	S	99.65	S	94
10341	Timothy (Pan American) ..... W. A. Young, Exeter	S	99.60	S	92
10343	Timothy (Gem, 69141) ..... W. A. Young, Exeter	97.14	99.04	48	83
10323	Vetch, Hairy ..... Eastern States Farmers' Exc., Concord	S	99.15	S	75
10315	Vetch, Hairy (99164) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.25	S	93
10426	Wheat (Honor, 6077) ..... Freeman Corson, Rochester	S	98.50	S	91
10478	Wheat, Spring ..... John H. Griffin, Newmarket	S	99.34	0	92
10592	Wheat, Spring (Marquis Type, White Mtn.) ..... Holbrook Grocery Co., Keene	S	98.87	S	94
10576	Wheat, Spring (850) ..... E. C. & W. L. Hopkins, Inc., Greenfield	S	99.00	S	95
10295	White Clover ..... Merrimack Farmers' Exc., Inc., Concord	S	98.50	S	93
10301	White Clover (026308) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.05	S	86
10362	White Clover ..... J. J. Moreau & Son, Manchester	S	97.03	76	94
10261	White Clover (4419) ..... J. H. Seavey, Dover	S	98.12	S	84
10248	White Clover (026308) ..... John B. Varick Co., Manchester	S	99.05	S	86

A=Above S=Satisfactory

SUMMARY TABLE

Showing General Results of Seed Inspection Work
for the year ending June 30, 1937

	Number of Samples	Purity Compared to Guarantee			No Guarantee	Germination Compared to Guarantee			No Guarantee
		Above	Satisfactory	Below		Above	Satisfactory	Below	
Alfalfa	10	1	9	....	....	1	9	....	....
Alsike Clover	42	5	33	3	1	1	34	6	1
Barley	9	....	8	1	....	....	9	....	....
Blue Grass, Kentucky	5	....	5	....	....	....	5	....	....
Buckwheat, Japanese	2	....	2	....	....	....	1	1	....
Canada Field Peas	6	....	6	....	....	....	5	1	....
Crimson Clover	1	...	1	....	....	....	1	....	....
Chewings Fescue	1	....	1	....	....	....	....	1	....
Hayland Mixture	4	....	4	....	....	1	3	....	....
Ladino Clover	1	....	1	....	....	....	1	....	....
Lawn Seed	1	....	1	....	....	....	1	....	....
Millet, Golden	2	....	2	....	....	....	1	1	....
Millet, Hungarian	47	7	36	4	....	....	32	15	....
Millet, Japanese	42	10	26	6	....	....	35	7	....
Oats	24	....	21	3	....	....	21	3	....
Poa Trivialis	1	....	1	....	....	....	1	....	....
Rape	1	....	1	....	....	....	1	....	....
Red Clover	55	2	44	7	2	2	48	3	2
Red Top	68	8	55	5	....	....	55	13	....
Rye	6	....	6	....	....	....	2	4	....
Rye Grass	2	....	2	....	....	....	1	1	....
Soy Beans	11	....	11	....	....	....	7	4	....
Sudan Grass	4	....	4	....	....	....	2	2	....
Sweet Clover	8	3	5	....	....	....	4	4	....
Timothy	75	5	68	2	....	....	72	2	1
Vetch	2	....	2	....	....	....	2	....	....
Wheat	4	....	4	....	....	....	3	1	....
White Clover	5	....	5	....	....	....	4	1	....
	439	41	364	31	3	5	360	70	4

PAS
630.72
N532
no.285-305